

In the Claims

1. (Currently Amended) A method of detecting an angiogenesis-associated transcript in an individual cell of a patient, the method comprising: ~~contacting a biological sample from the patient with a polynucleotide that selectively hybridized to a sequence at least 80% identical to SEQ ID NO: 41~~
 - a) determining the expression of a gene encoding an amino acid sequence of SEQ ID NO:41 in a first tissue of a first individual;
 - b) comparing the expression of said gene in the first tissue sample to expression of said gene from a second tissue with no angiogenesis activity;
wherein a higher level of expression in the first tissue sample indicates angiogenesis associated activity in said first individual.
2. (Currently Amended) The method of claim 1, wherein the second tissue is from said first individual ~~biological sample is a tissue sample~~.
3. (Currently Amended) The method of claim 1, wherein the first or second tissue ~~biological sample~~ comprises isolated nucleic acids.
4. (Original) The method of claim 3, wherein the nucleic acids are mRNA.
5. (Currently Amended) The method of claim 3, further comprising the step of amplifying said nucleic acids before the step of contacting the biological sample with the polynucleotide.
6. (Cancelled) The method of claim 1, wherein the polynucleotide comprises a sequence as shown in Table 1.
7. (Original) The method of claim 1, wherein the polynucleotide is labeled.
8. (Original) The method of claim 8, wherein the polynucleotide is labeled by a fluorescent

label.

9. (Original) The method of claim 1, wherein the polynucleotide is immobilized on a solid surface.
10. (Currently Amended) The method of claim 1, wherein the patient said first individual is undergoing a therapeutic regimen to treat a disease associated with angiogenesis.
11. (Currently Amended) The method of claim 1, wherein the patient said first individual is suspected of having cancer.
12. (Withdrawn) An isolated nucleic acid molecule consisting of a polynucleotide sequence as shown in Table 1.
13. (Withdrawn) The nucleic acid molecule of claim 12, which is labeled.
14. (Withdrawn) The nucleic acid of claim 13, wherein the label is a fluorescent label.
15. (Withdrawn) An expression vector comprising the nucleic acid of claim 12.
16. (Withdrawn) A host cell comprising the expression vector of claim 15.
17. (Withdrawn) An isolated nucleic acid molecule which encodes a polypeptide having an amino acid sequence as shown in Table 2.
18. (Withdrawn) An isolated polypeptide which is encoded by a nucleic acid molecule having polynucleotide sequence as shown in Table 1.
19. (Withdrawn) An isolated polypeptide having an amino acid sequence as shown in Table 2.

20. (Withdrawn) An antibody that specifically binds a polypeptide of claim 18.
21. (Withdrawn) The antibody of claim 20, further conjugated to an effector component.
22. (Withdrawn) The antibody of claim 21, wherein the effector component is a fluorescent label.
23. (Withdrawn) The antibody of claim 21, wherein the effector component is a radioisotope.
24. (Withdrawn) The antibody of claim 20, which is an antibody fragment.
25. (Withdrawn) The antibody of claim 20, which is a humanized antibody.
- 26 (Withdrawn) A method of detecting a cell undergoing angiogenesis in a biological sample from a patient, the method comprising contacting the biological sample with an antibody of claim 20.
27. (Withdrawn) The method of claim 26, wherein the antibody is further conjugated to an effector component.
28. (Withdrawn) The method of claim 27, wherein the effector component is a fluorescent label.
29. (Withdrawn) The method of detecting antibodies specific to angiogenesis in a patient, the method comprising contacting a biological sample from the patient with a polypeptide comprising a sequence as shown in Table 2.